



SERIAL NO.: 10/805,803  
PETER H. PRIEST (919-806-1600)

1/16

FIG. 1

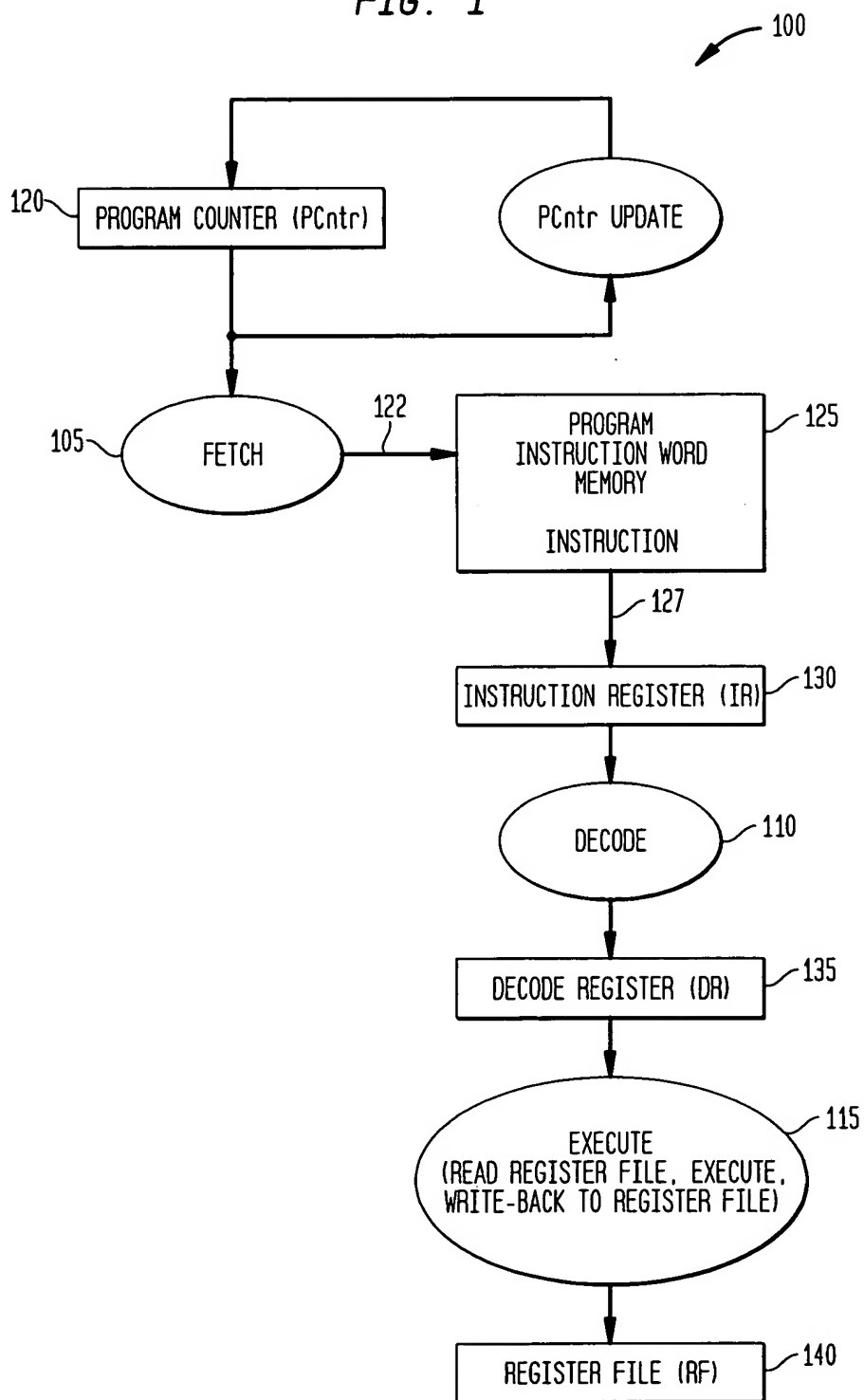
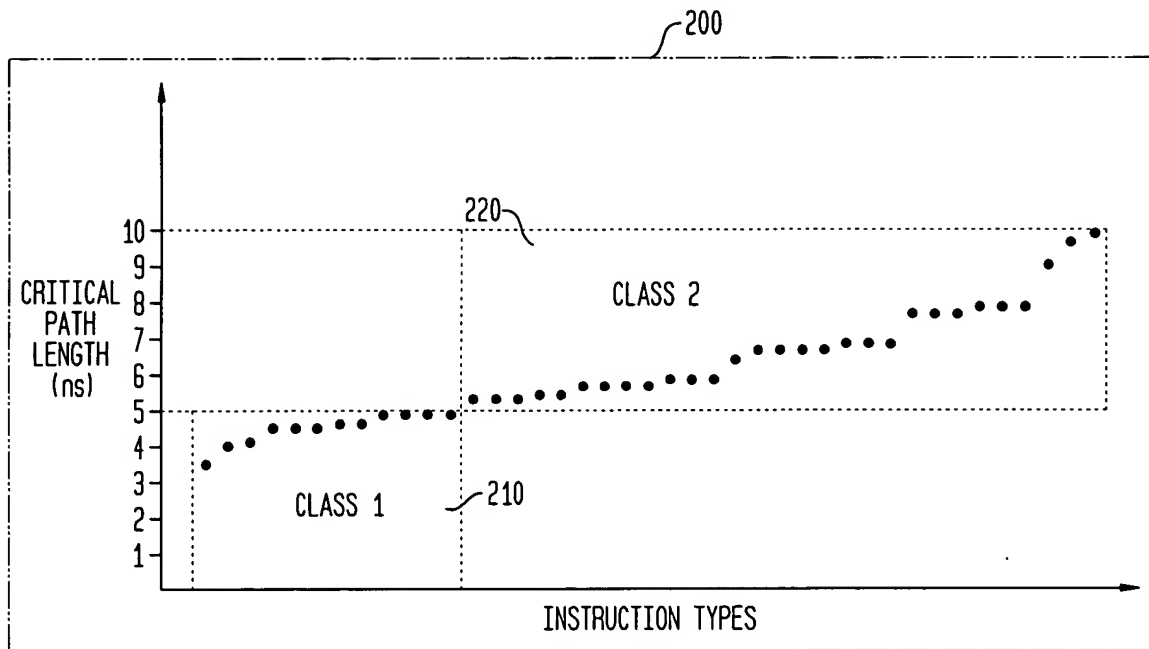


FIG. 2



3/16

FIG. 4

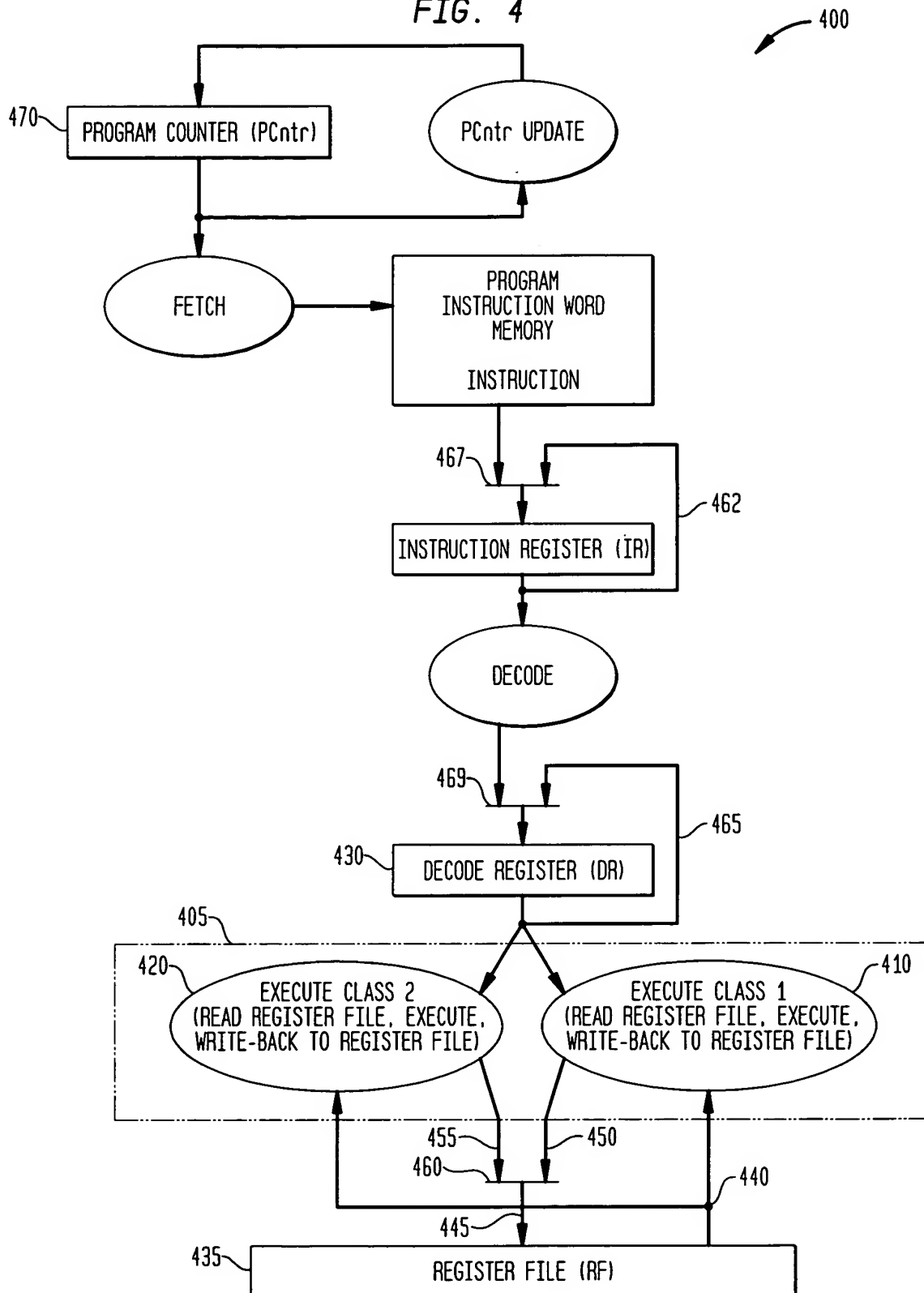


FIG. 5

500

	505 MCLK CYCLE #	510 FETCH	515 DECODE	520 EXECUTE	
543	1	A(1) 542	:	:	
544	2	B(1) 545	A(1) 546	:	
547	3	C(1) 548	B(1) 549	A(1)	550
551	4	D(2) 552	C(1) 553	B(1)	554
555	5	E(1) 556	D(2) 557	C(1)	558
559	6	HOLD PCntr, HOLD IR 560	HOLD DR 561	D(2)	525 562
563	7	F(1) 564	E(1) 565	D(2)	566
	8	G(2)	F(1)	E(1)	
	9	H(2)	G(2)	F(1)	
	10	HOLD PCntr, HOLD IR	HOLD DR	G(2)	530
	11	I(2)	H(2)	G(2)	
	12	HOLD PCntr, HOLD IR	HOLD DR	H(2)	535
	13	J(1)	I(2)	H(2)	
	14	HOLD PCntr, HOLD IR	HOLD DR	I(2)	540
	15	K(1)	J(1)	I(2)	
	16	L(1)	K(1)	J(1)	
	17	:	L(1)	K(1)	
	18	:	:	L(1)	
	19	:	:	:	

5/16

FIG. 6

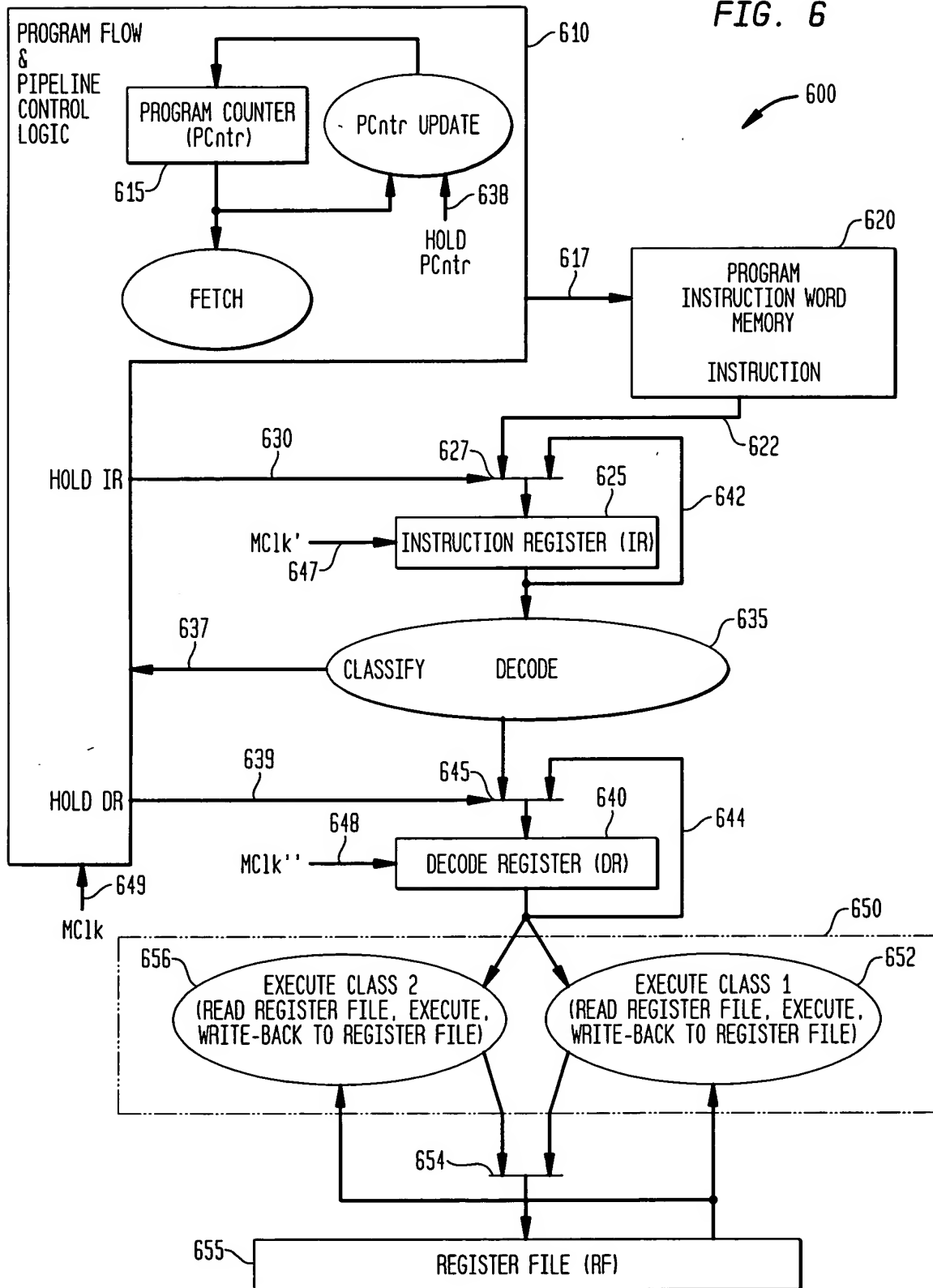
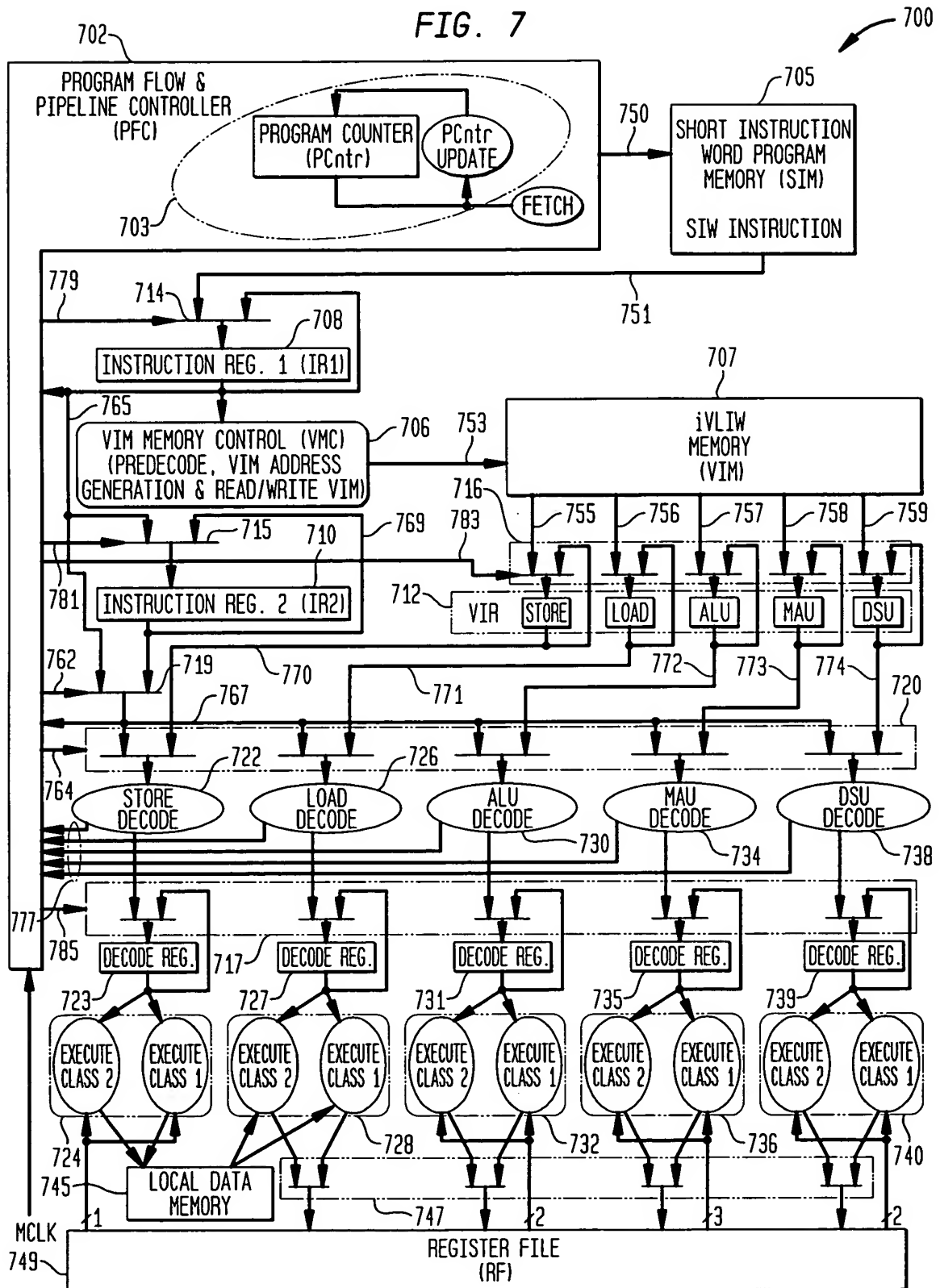


FIG. 7



7/16

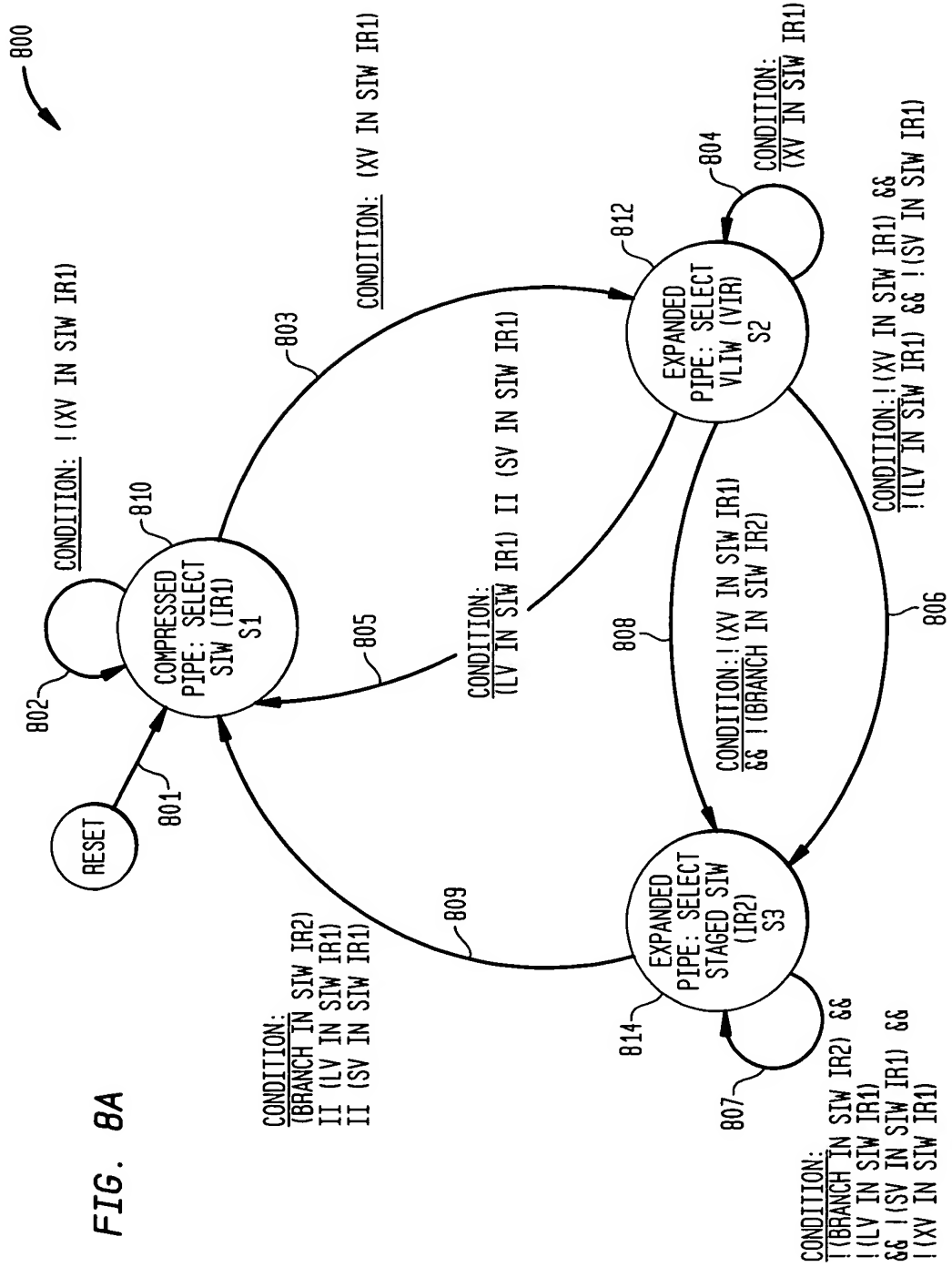


FIG. 8B

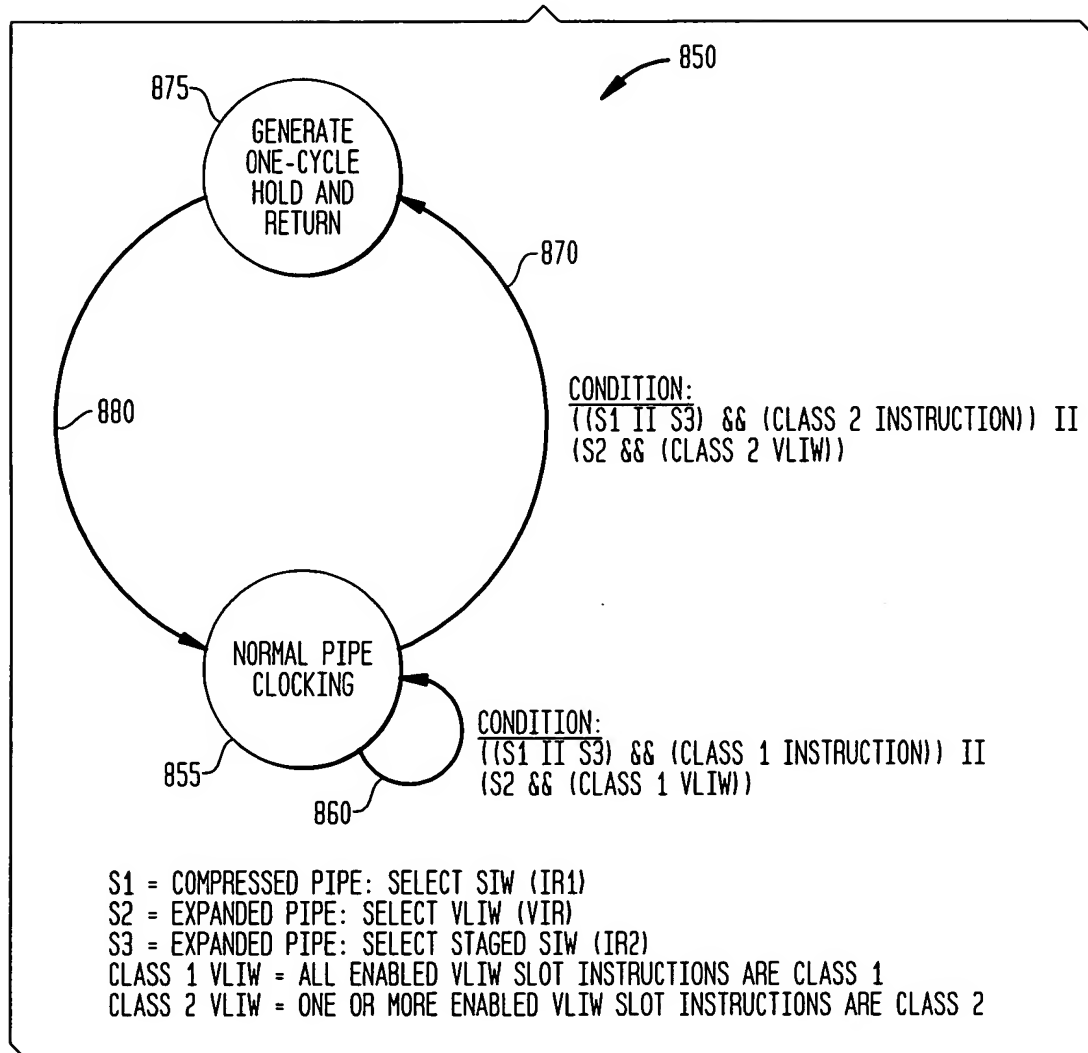
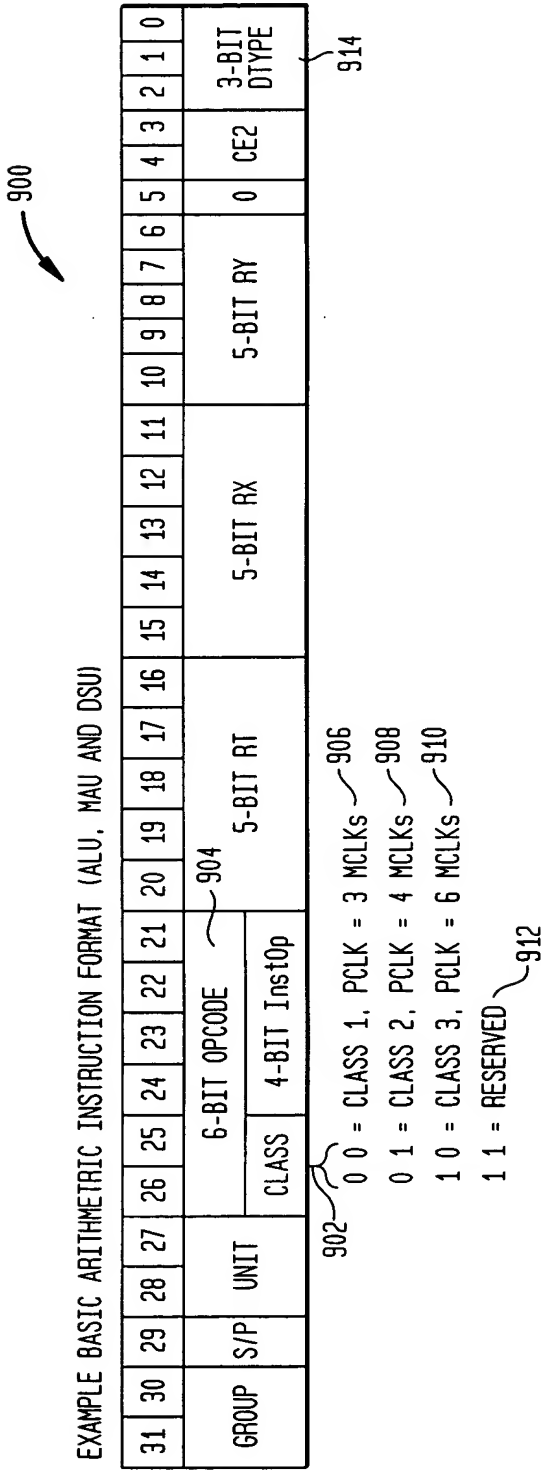




FIG. 9A



10/16

FIG. 9B

925

	926 MCLK CYCLE #	927 PCLK CYCLE #	928 FETCH	929 DECODE	930 EXECUTE
934	1	1 933	A(1) 932	:	:
935	2				
936	3				
940	4	2 937	B(2) 938	A(1) 939	:
941	5				
942	6				
947	7	3 943	C(3) 944	B(2) 945	A(1) 946
948	8				
949	9				
954	10	4 950	D(1) 951	C(3) 952	B(2) 953
955	11				
956	12				
957	13				
962	14	5 958	E(1) 959	D(1) 960	C(3) 961
963	15				
964	16				
965	17				
966	18				
967	19				
972	20	6 968	F(1) 969	E(1) 970	D(1) 971
973	21				
974	22				
	23	7	:	:	:
	24				
	25				

11/16

FIG. 10

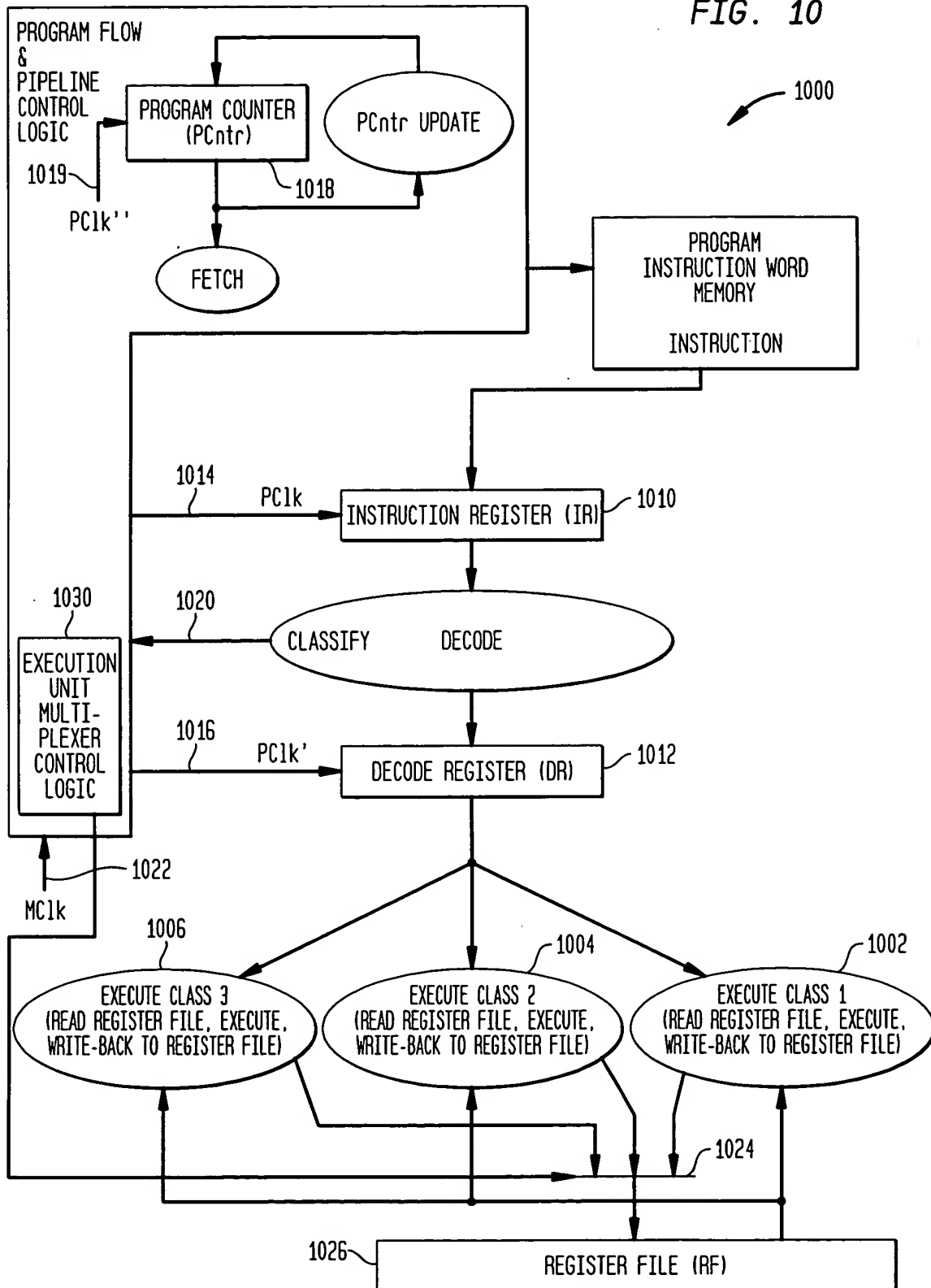
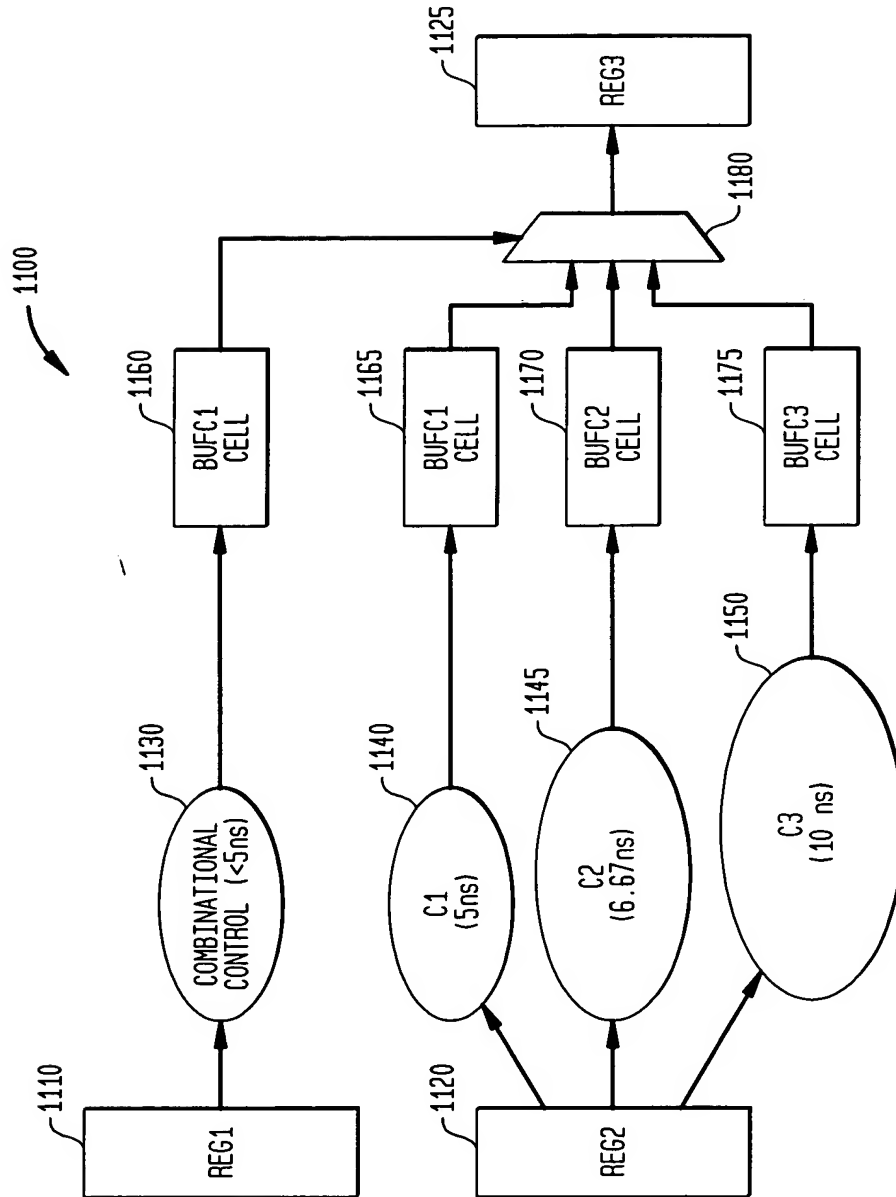
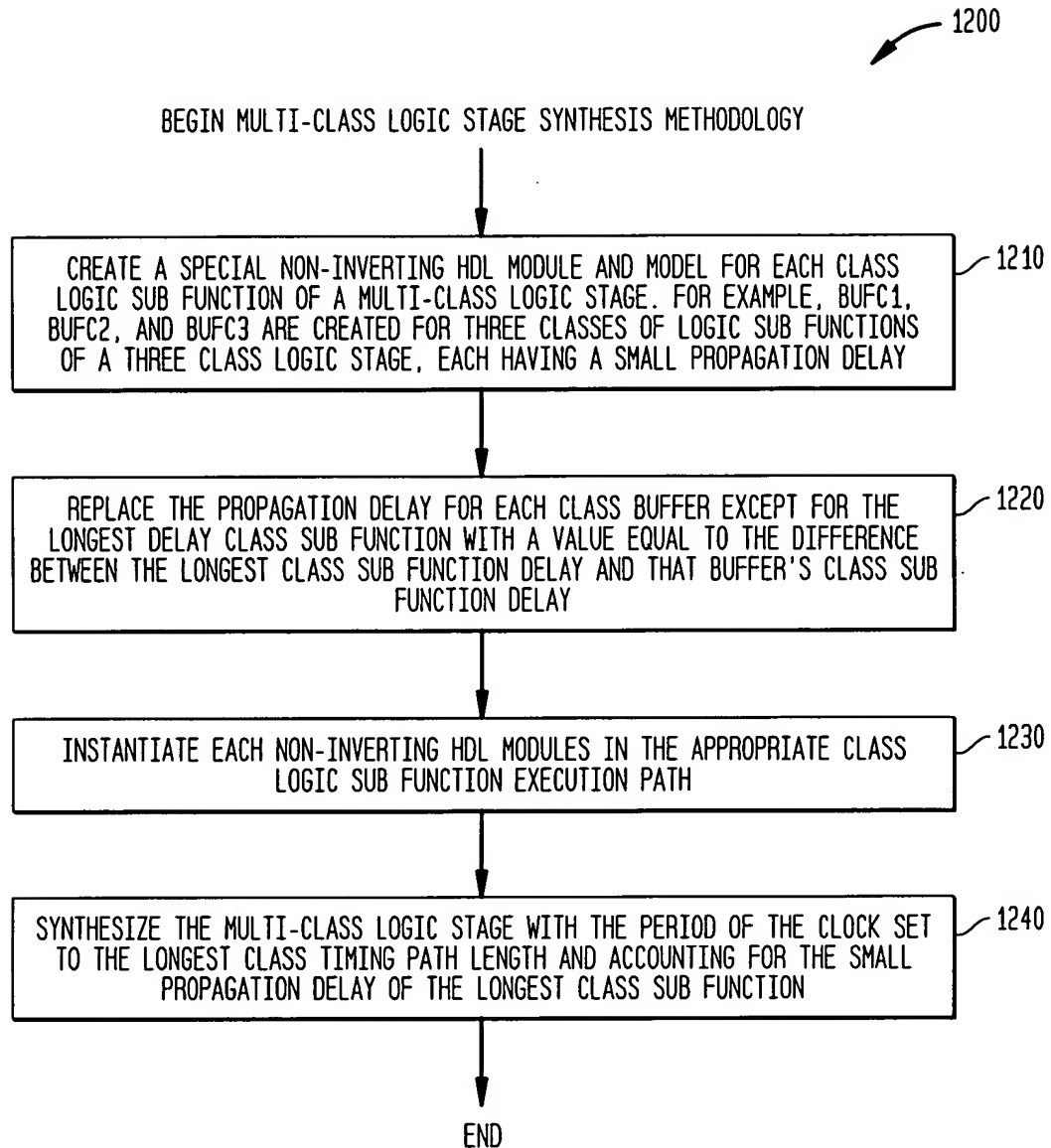


FIG. 11



**FIG. 12**



**FIG. 13**

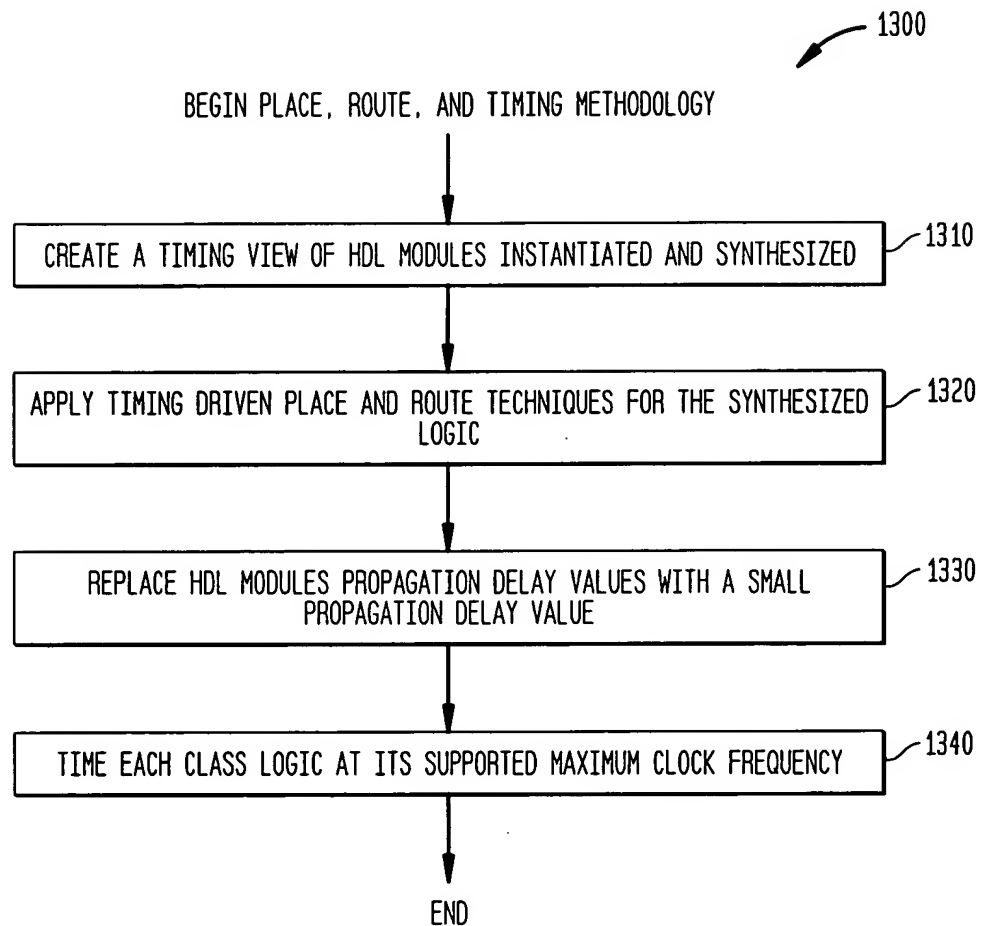


FIG. 14

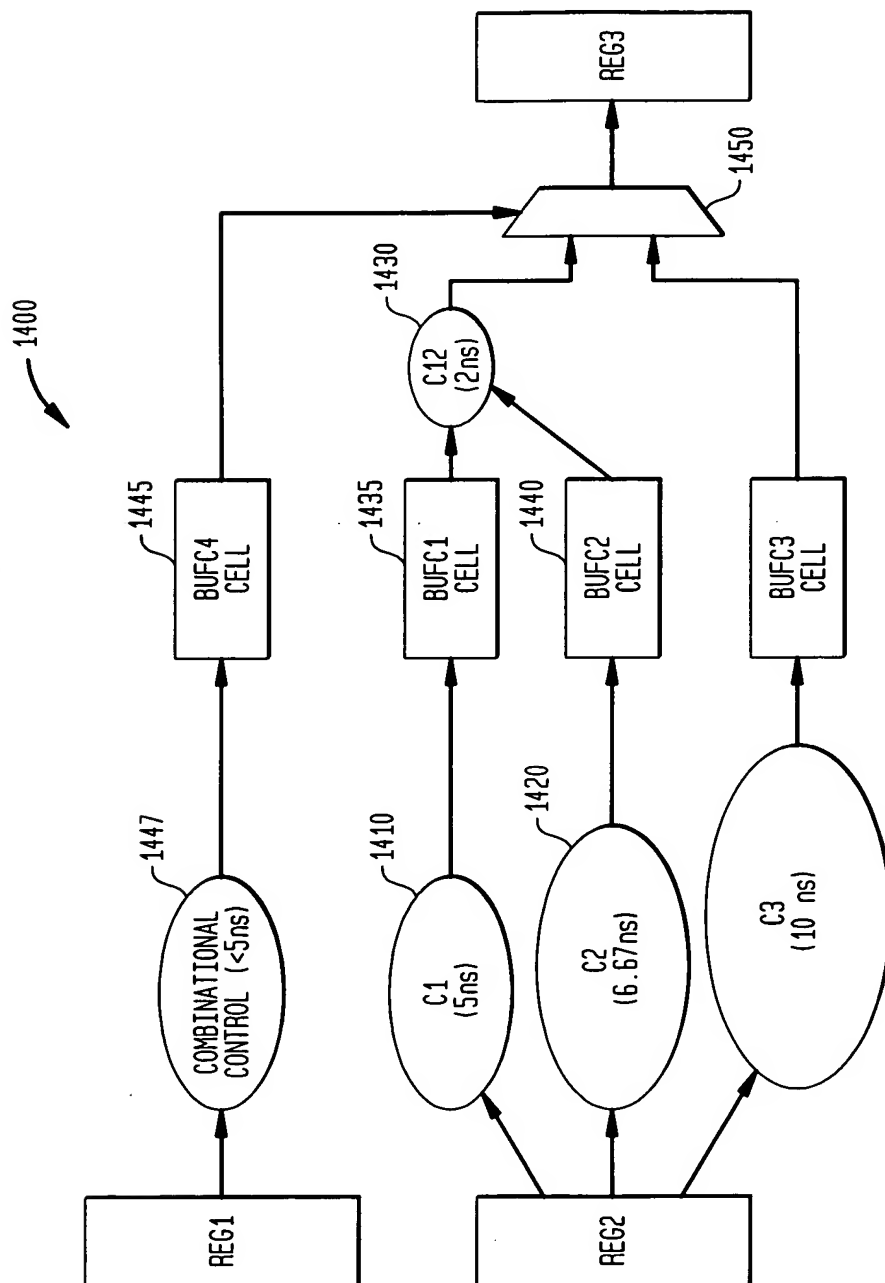


FIG. 15

